

CHICAGO BRIDGE & IRON CO N V  
Form 3  
September 26, 2007

**FORM 3** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
RAY EDGAR C.		(Month/Day/Year)	CHICAGO BRIDGE & IRON CO N V [CBI]	
(Last)	(First)	(Middle)	09/17/2007	
2103 RESEARCH FOREST DRIVE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
THE WOODLANDS, TX 77380			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
			(give title below)	(specify below)
			EXECUTIVE VICE PRESIDENT	6. Individual or Joint/Group Filing(Check Applicable Line)
				<input checked="" type="checkbox"/> Form filed by One Reporting Person
				<input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	11,953 <sup>(1)</sup>	D	À
Common Stock	3,676.6924	I	By 401(k) Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (2)	07/01/2013	Common Stock	600	\$ 11.565	D	Â
Stock Option (Right to Buy)	Â (3)	02/12/2014	Common Stock	472	\$ 14.12	D	Â
Stock Option (Right to Buy)	Â (4)	07/01/2014	Common Stock	600	\$ 13.91	D	Â
Stock Option (Right to Buy)	Â (5)	03/09/2015	Common Stock	158	\$ 23.655	D	Â
Stock Option (Right to Buy)	Â (6)	07/01/2015	Common Stock	600	\$ 22.91	D	Â
Stock Option (Right to Buy)	Â (7)	07/01/2016	Common Stock	600	\$ 24.15	D	Â
Stock Option (Right to Buy)	Â (8)	02/21/2017	Common Stock	464	\$ 30.51	D	Â
Stock Option (Right to Buy)	Â (9)	02/28/2017	Common Stock	1,399	\$ 29.61	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RAY EDGAR C. 2103 RESEARCH FOREST DRIVE THE WOODLANDS, TX 77380	Â	Â	Â EXECUTIVE VICE PRESIDENT	Â

## Signatures

Edgar C. Ray                      09/26/2007  
 \*\*Signature of                      Date  
 Reporting Person

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Includes 62 shares as dividend reinvestments.
- (2) The option to purchase 600 shares was granted on 07/01/2003. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (3) The option to purchase 472 shares was granted on 02/12/2004. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (4) The option to purchase 600 shares was granted on 07/01/2004. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.

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- (5) The option to purchase 158 shares was granted on 03/09/2005. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (6) The option to purchase 600 shares was granted on 07/01/2005. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (7) The option to purchase 600 shares was granted on 07/01/2006. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (8) The option to purchase 464 shares was granted on 02/21/2007. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (9) The option to purchase 1,399 shares was granted on 02/28/2007. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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